

Figure 1 - Vehicle Used for the Creation of Tagged Video

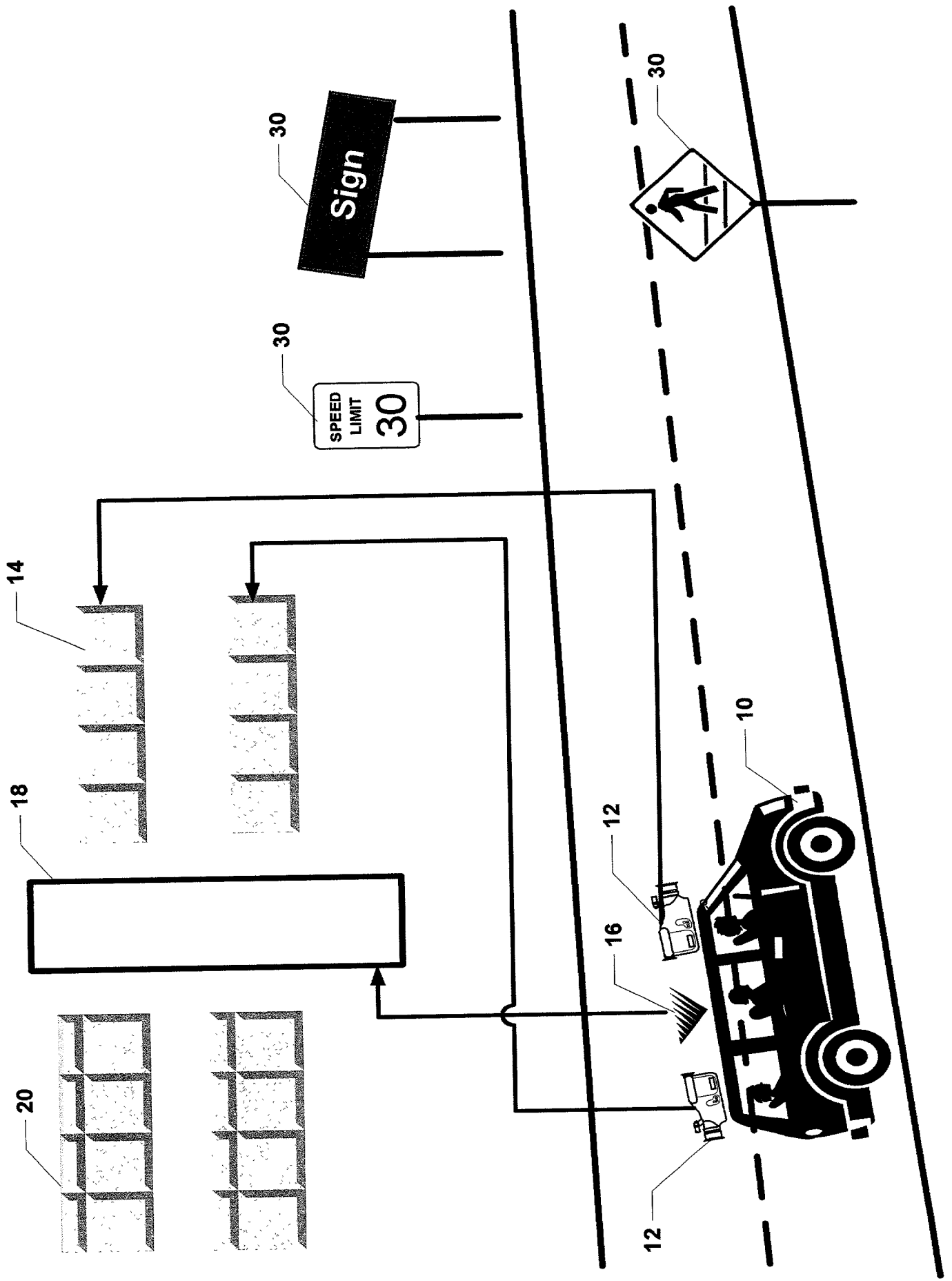


Figure 2 - Data Flow Diagram for Sign Sheeting Classification

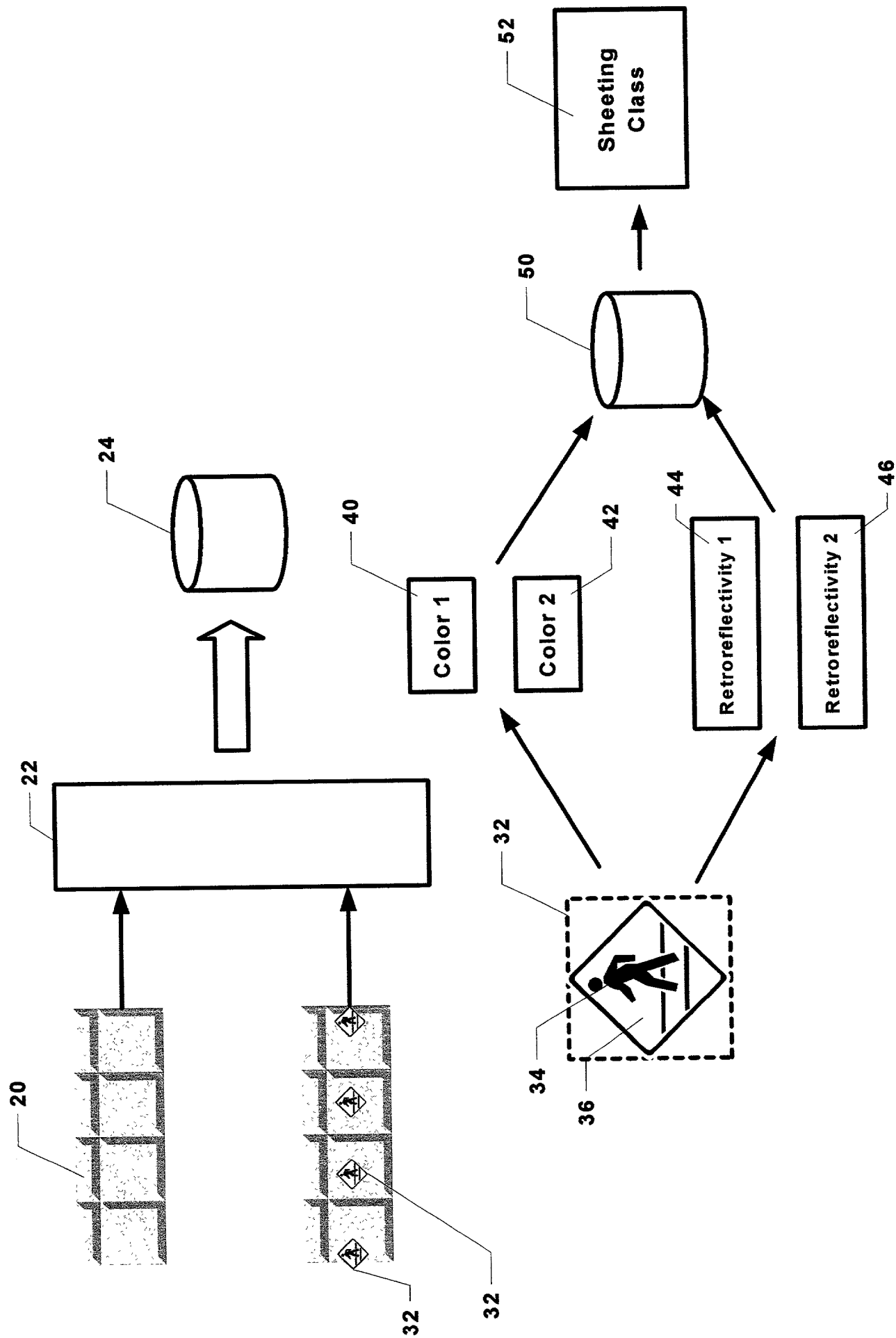


Figure 3 - Capture Vehicle and Data Processing Logical Block Diagram

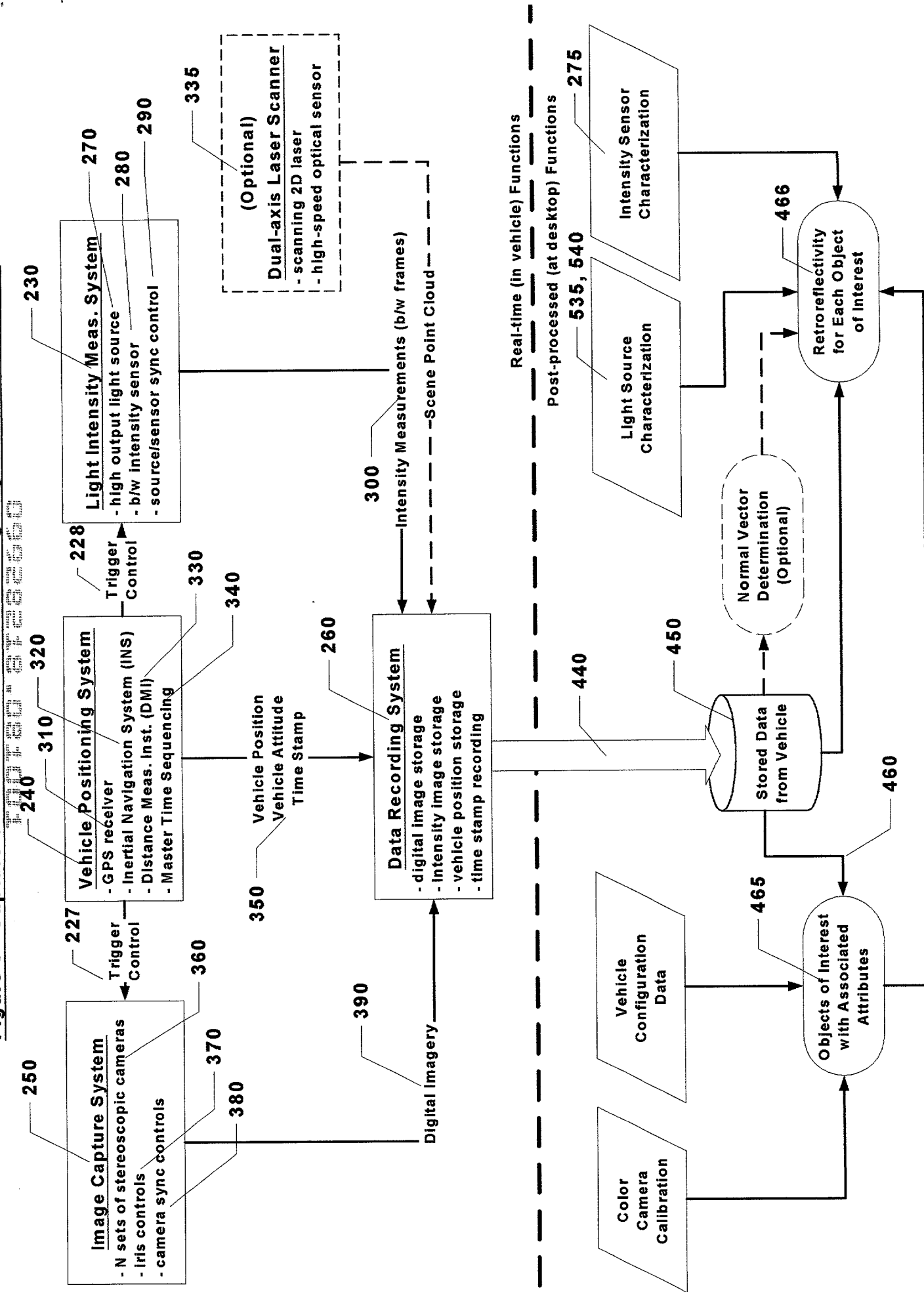


Figure 4 - Capture Vehicle System Diagram

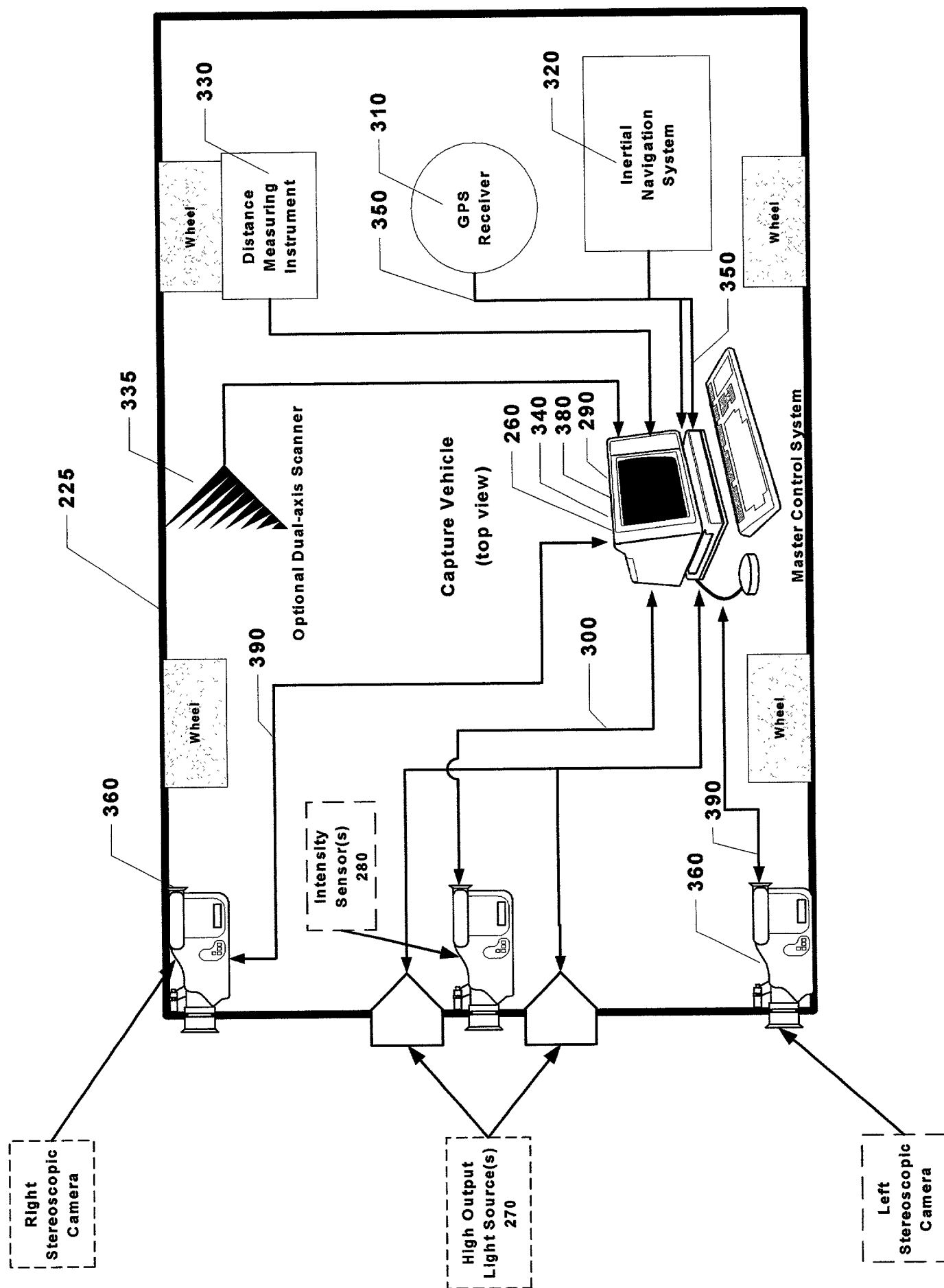
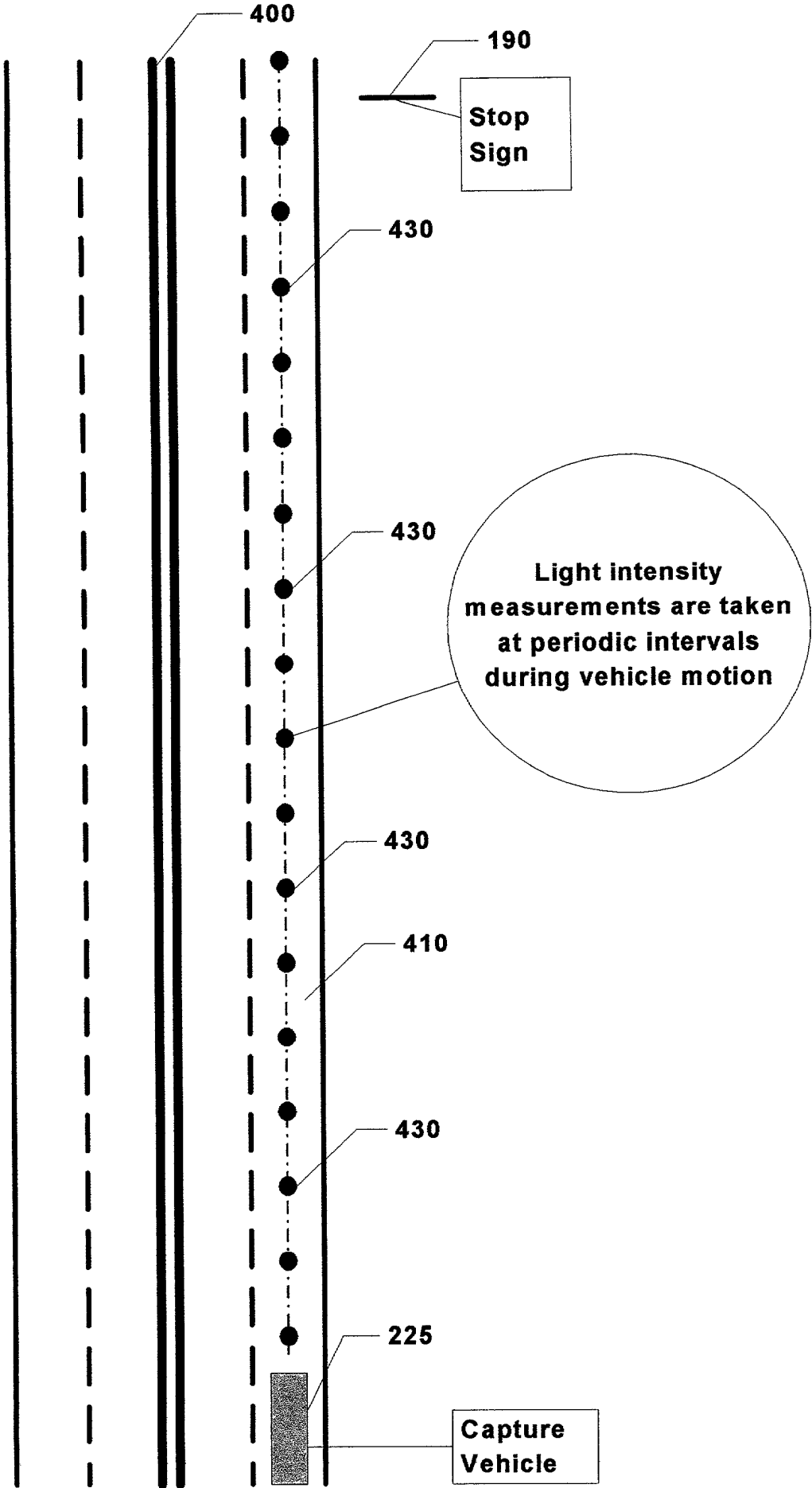


Figure 5 - Reflected Light Intensity Measurements Along a 4-lane Divided Highway



400 190 430 410 430 225

Figure 6 - Reflected Light Intensity Frames Along a 4-lane Divided Highway

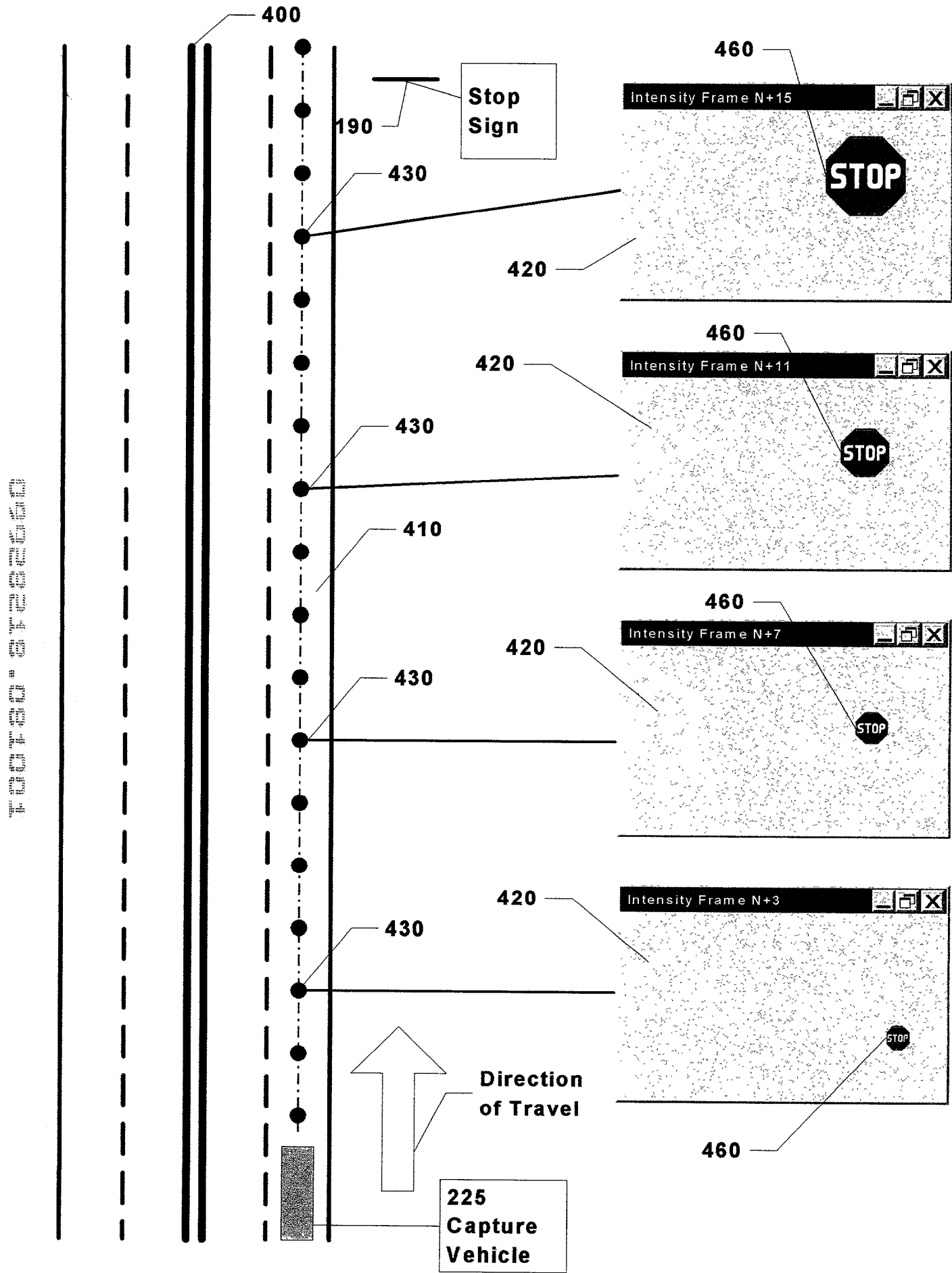


Figure 7 - Determining Retroreflectivity from Light Intensity Measurements

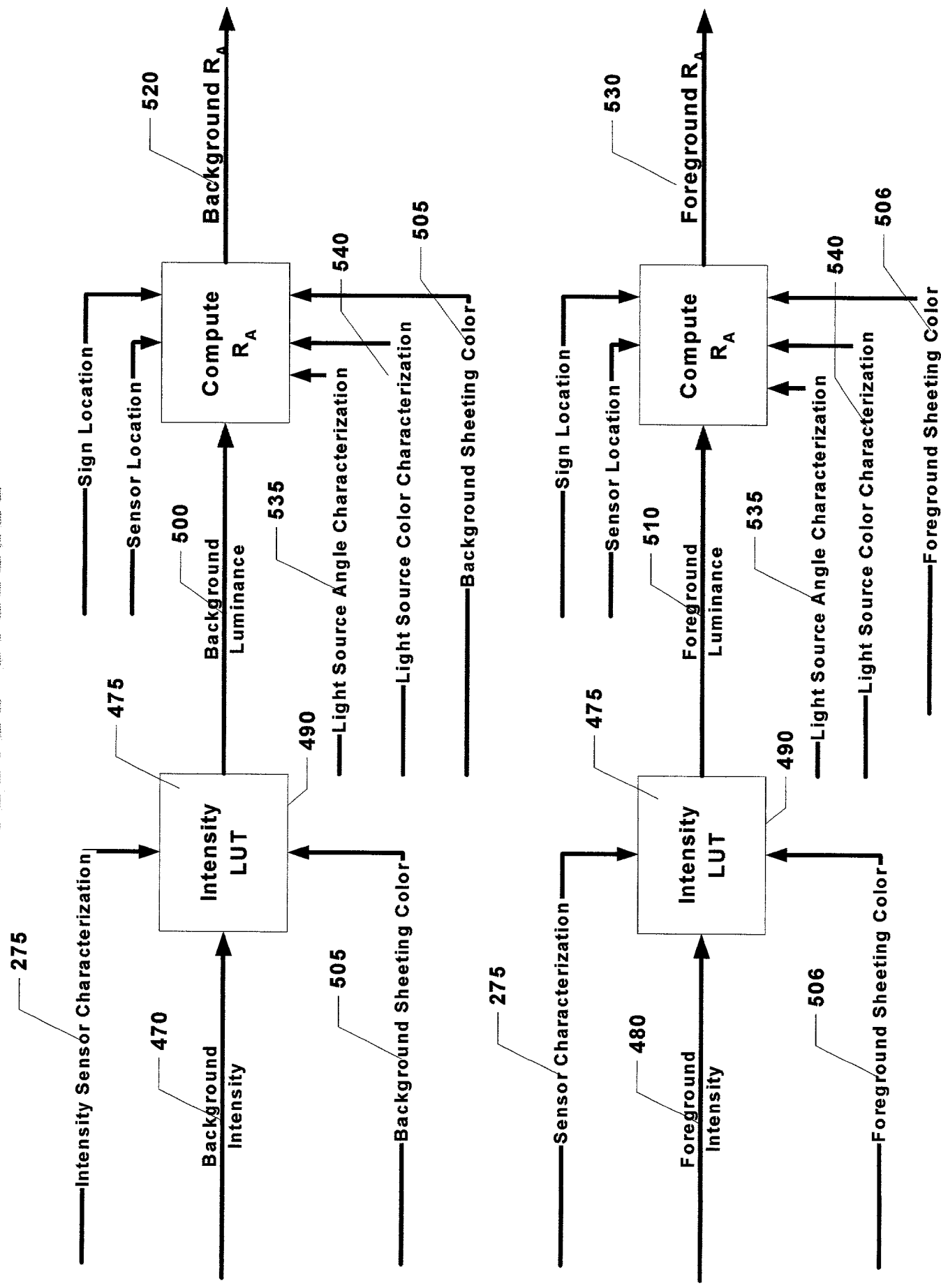


Figure 8 - Light Source Wavelength Intensity Profile

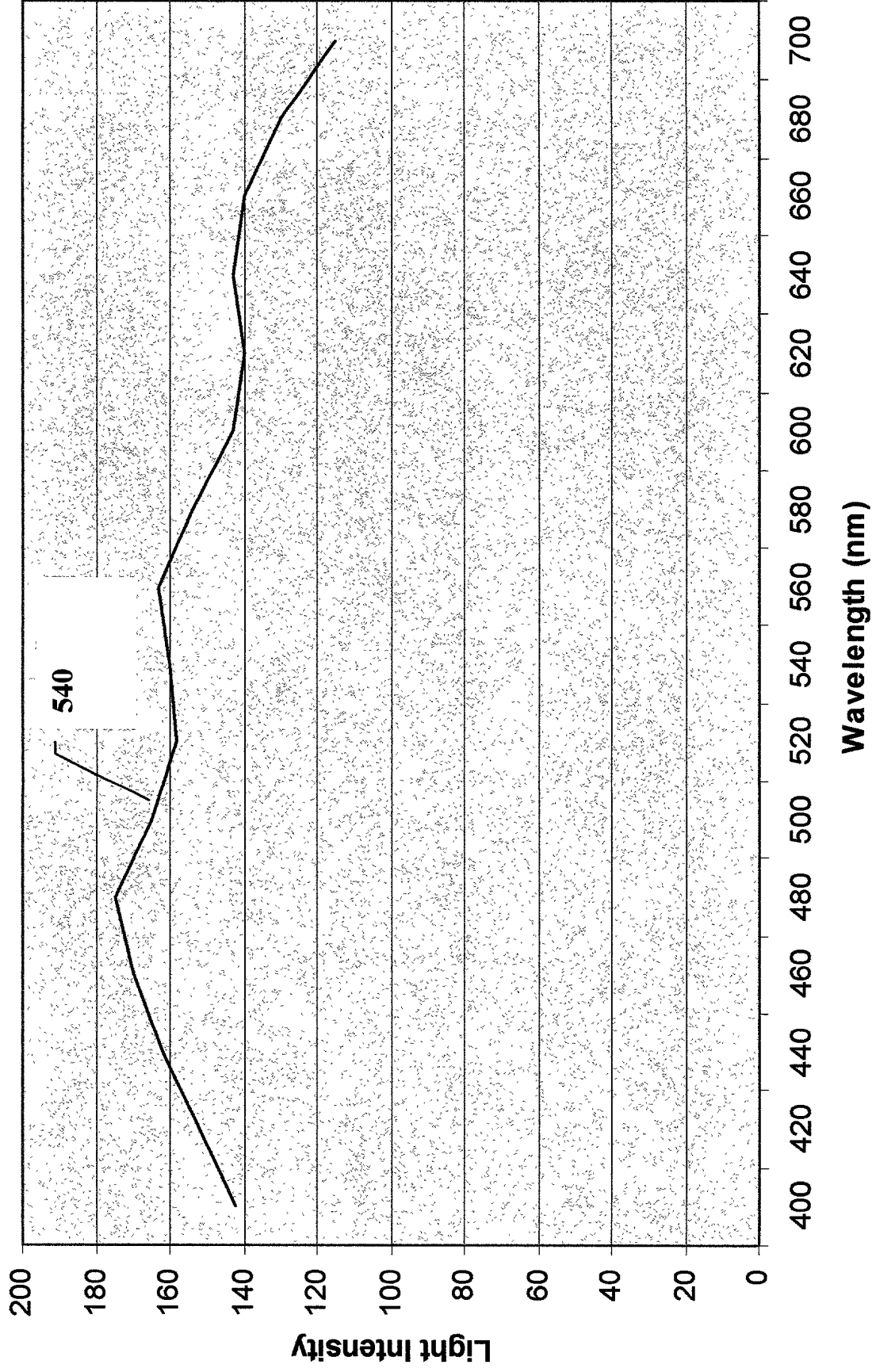


Figure 9 - Creating a Retroreflectivity Profile Along a 4-lane Divided Highway

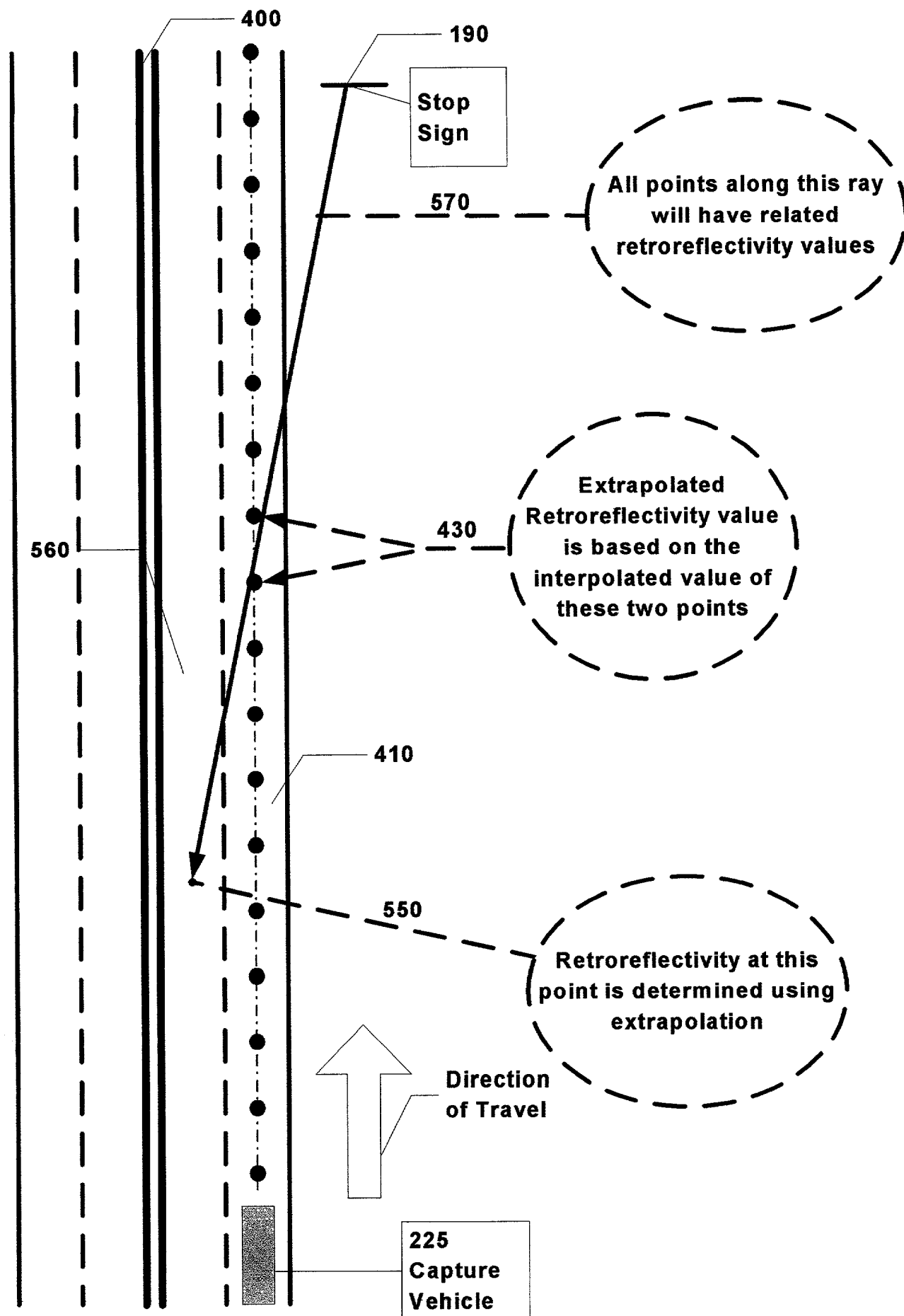


Figure 10 - Using a Sign's Normal Vector to Compute Retroreflectivity

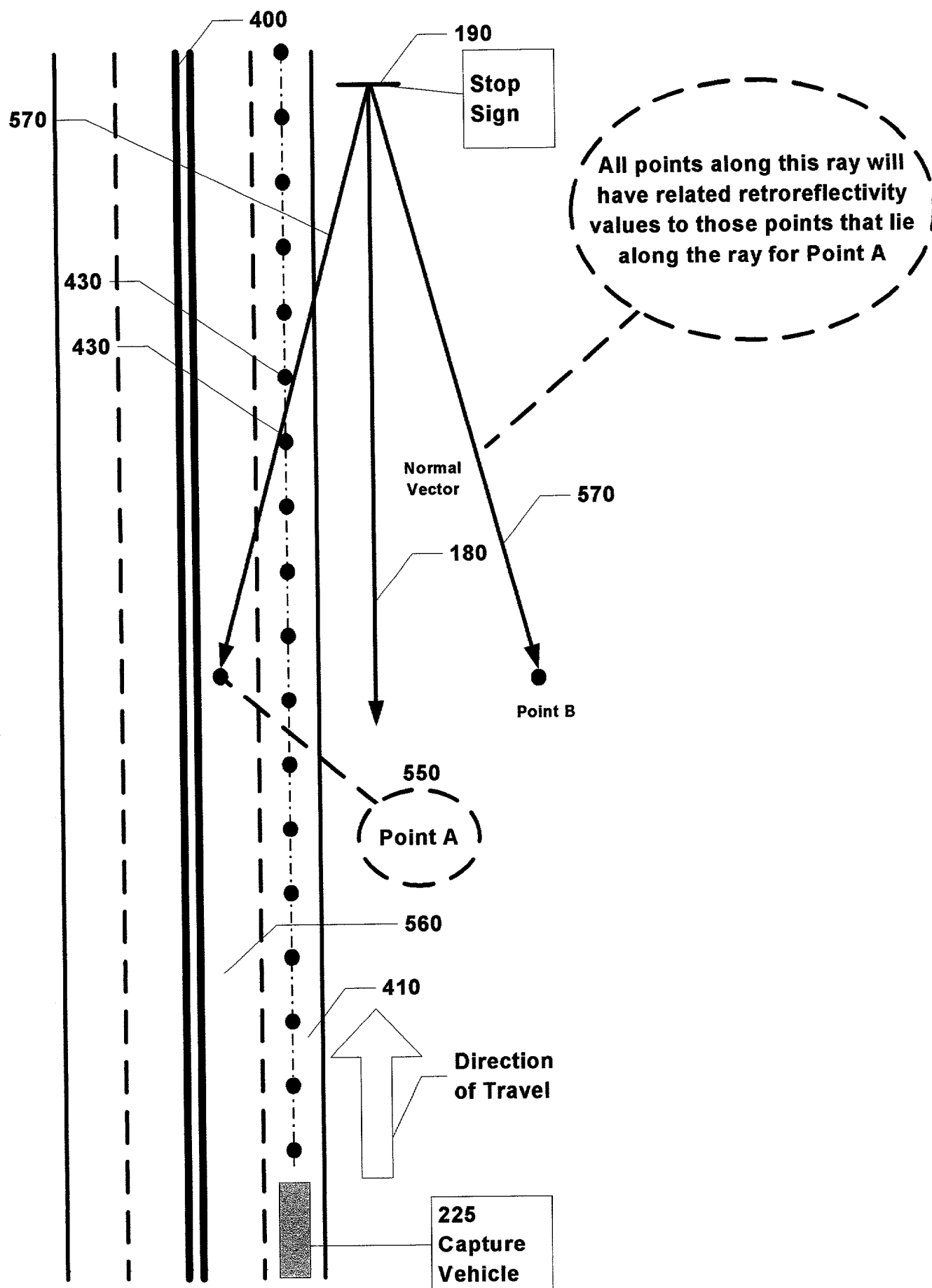


Figure 11 - Observation Angle Description

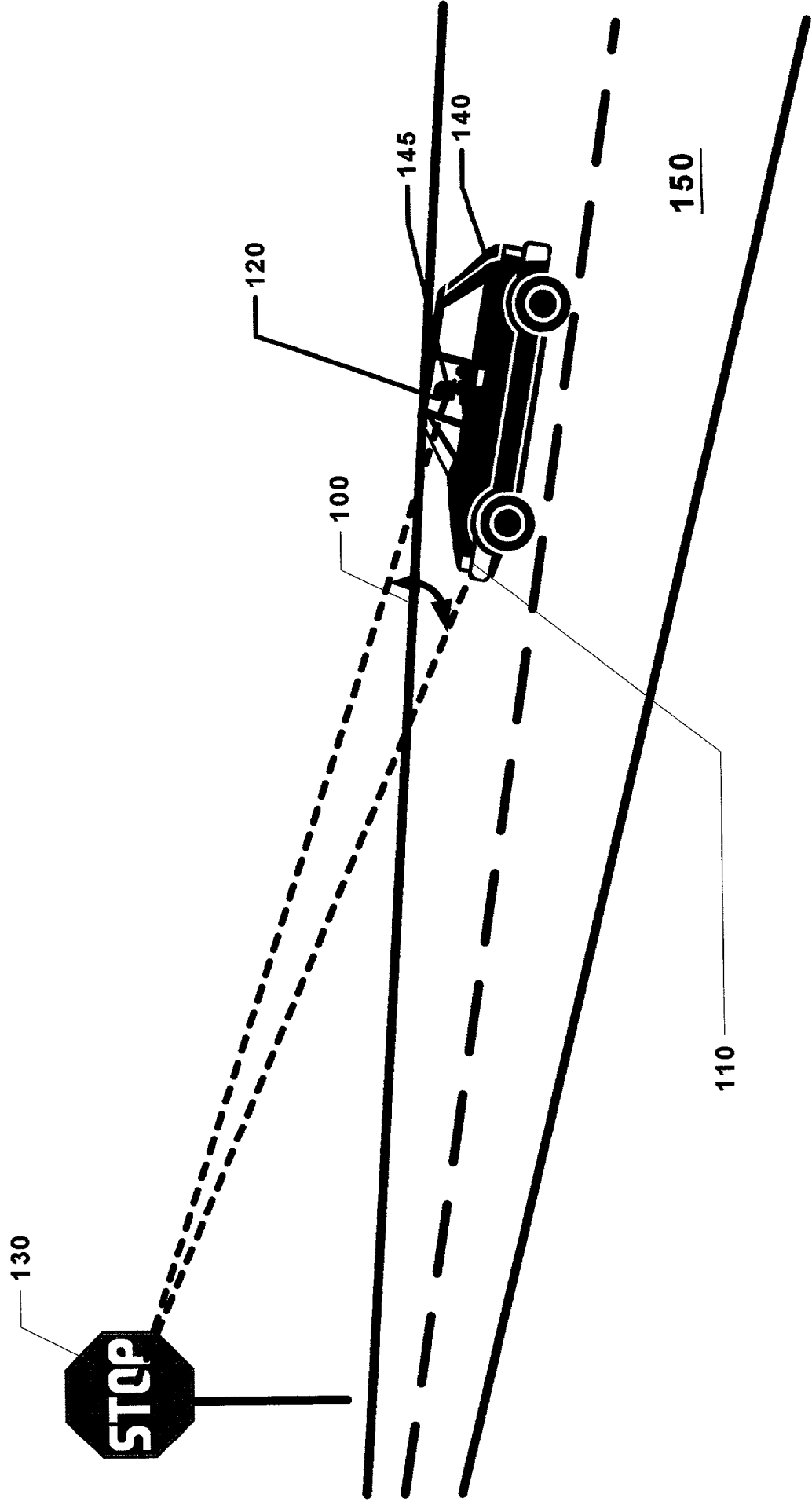


Figure 12 - Entrance Angle Description

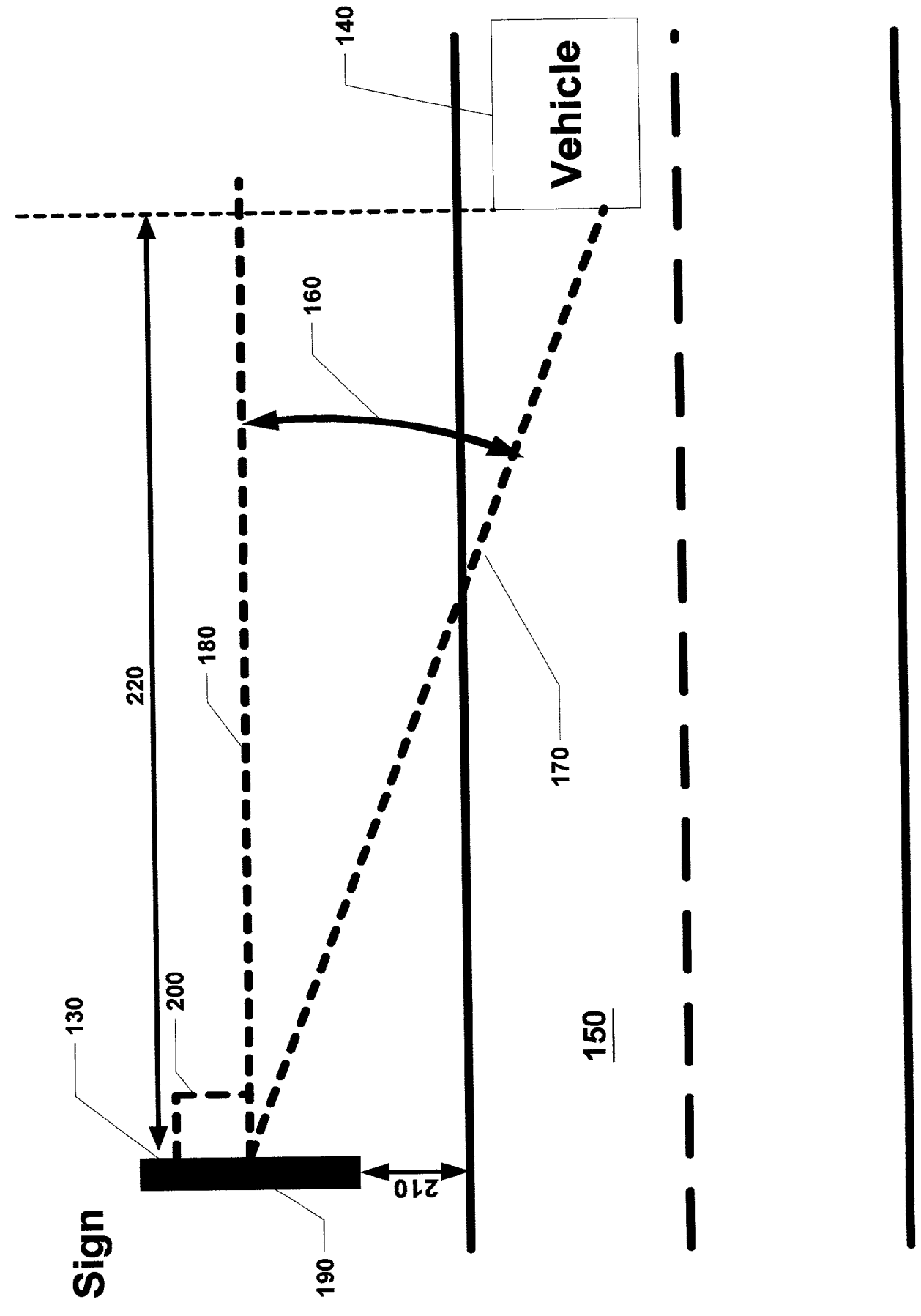


Figure 13 - White Sign Sheeting Retroreflectivity Profiles

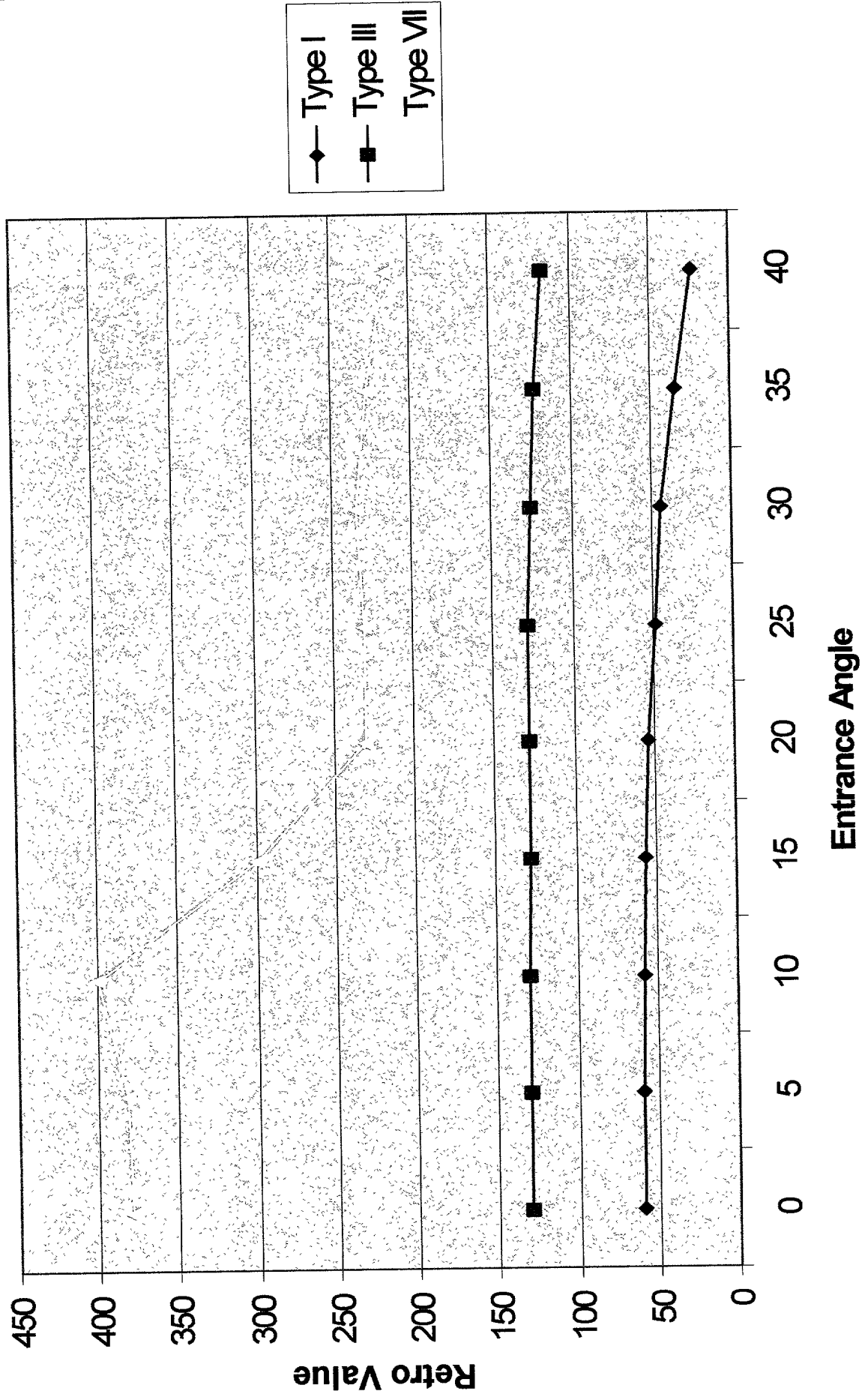


Figure 14A - Sign Sheeting Threshold Algorithm Flowchart - Page 1 of 2

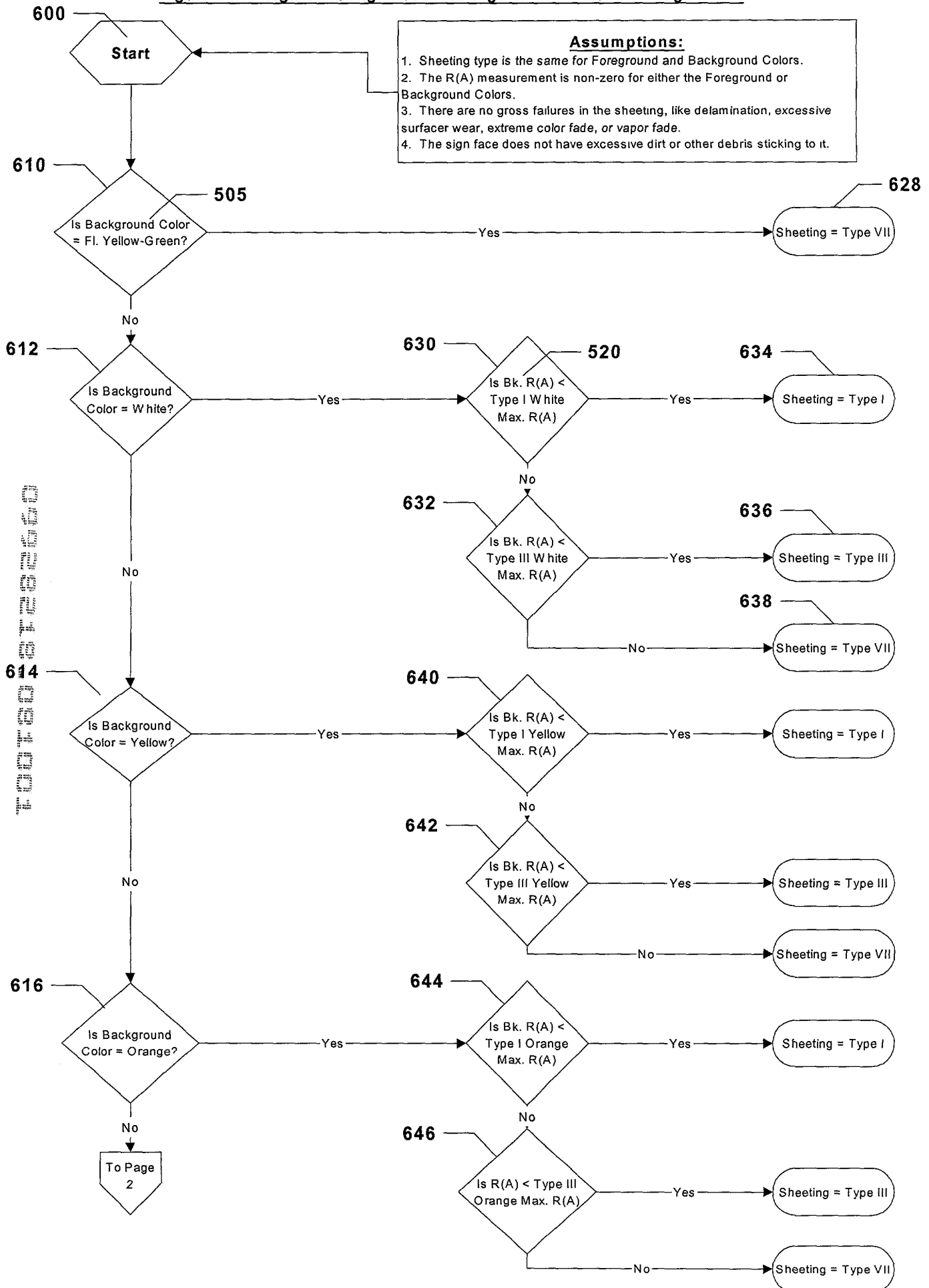


Figure 14B - Sign Sheeting Threshold Algorithm Flowchart - Page 2 of 2

